

## Run VNMR remotely with X-windows

PC:

To run VNMR remotely you will need VNC (Virtual Network Computer).

You can download it for free from:

<http://www.realvnc.com/download.html>

You need to install it on your PC as you would any program.

I think that it will put an icon on your desktop, if not you should be able to run the program by opening it from the Program Files menu.

This program is a viewer program, you must start a server program on the workstation for you to be able to view anything from your PC.

Thus, you must login to the workstation and start the server. Presumably, you want to login remotely from your PC to the workstation. Thus, you need a UNIX terminal program on your computer:

Secure CRT will work directly. It is downloadable from Stanford ITSS:

<http://www.stanford.edu/group/itss/ess/pc/pc.html>

With Secure CRT, you can directly login to nmr1. Use Connect menu then create a new session (it is the third icon over after clicking on Connect menu).

Input the following:

Name: nmr1

Protocol: ssh2

Hostname: nmr1.stanford.edu

Username: your\_nmr1\_login\_name

When you then click on Connect to nmr1, it will then prompt you for a password, this is your nmr1 password.

It will ask this question:

Choose s)un x)window t)ek d)umb g)raphon [s/x/t/d/g(default)]:

Type:

x

then <return>

You should now have a UNIX terminal logged into nmr1.

In UNIX terminal type:

vncserver

The first time you do this it will ask for you to create a password, so create and then verify the password. After the first time, it will simply start the vncserver program. It should then say:

New 'X' desktop is nmr1:some\_number

Starting applications...

Log file ...

Now the server has started, so you need to open the viewer on your PC.

Start vncviewer by clicking on VNC icon on desktop or through program menu.

The vncviewer asks for a vncserver name and number. The name should be:

nmr1.stanford.edu

The number is the number from above after you typed vncserver in UNIX terminal (where it says 'X' dekstop)

so the server name should be:

nmr1.stanford.edu: number\_from\_vncserver

The vncviewer asks for a password, the password is vncpassword that you previously established.

The vncviewer program should then open into your account on the nmr1 workstation.

The UNIX terminal window asks for a type of terminal, type:

s

<return>

for Sun terminal.

Start VNMR by typing:

vnmr

VNMR should start and look like it normally does.

You can load data files by clicking of File menu button, then find your filename and highlight it by clicking on it, then click on Load button

You can then process data as normal, e.g.:

wft f aph

Once you are finished with VNMR, exit out of VNMR by typing:

exit

Then, close vncviewer program. (Do not exit out of the VNC Viewer terminal, just close the program)

Then, logout of UNIX terminal, so type:  
exit

And quit Secure CRT program, by selecting Exit button under File menu button.

Next time you use VNC Viewer, you can use the same number as before, you do not need to create a new VNC server